

Certificate of Design Application

From Designer:	Mark S, Bromeier		
Date:	1/3/17		
Tob Name:	Pure Barre		
Address of Construction:	492 Congress Street Portland, ME 04101		

2009 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year 2009 Use Group Classification	(s) Mixed
Type of Construction II-B	
Will the Structure have a Fire suppression system in Accordance with Se	ction 903.3.1 of the 2009 IBC yes existing
Is the Structure mixed use? Yes	rated or non separated (section 302.3) separated
	uired? (See Section 1802.2) no
Structural Design Calculations	Live load reduction
Submitted for all structural members (106.1 – 106.11)	Roof live loads (1603.1.2, 1607.11)
	Roof snow loads (1603.7,3, 1608)
Design Loads on Construction Documents (1603)	Ground snow load, Pg (1608.2)
Uniformly distributed floor live loads (7603.11, 1807) Floor Area Use Loads Shown	If Pg > 10 psf, flat-roof snow load pr
	If Pg > 10 psf, snow exposure factor, G
	If $P_g > 10$ psf, snow load importance factor, I_c
	Roof thermal factor, C(1608.4)
	Sloped roof snowload, p _f (1608.4)
Wind loads (1603.1.4, 1609)	Seismic design category (1616.3)
Design option utilized (1609.1.1, 1609.6)	Basic seismic force resisting system (1617.6.2)
Basic wind speed (1809.3)	Response modification coefficient, R1 and
Building category and wind importance Factor,	deflection amplification factor (d (1617.6.2)
table 1604.5, 1609.5) Wind exposure category (1609.4)	Analysis procedure (1616.6, 1617.5)
Internal pressure coefficient (ASCE 7)	Design base shear (1617.4, 16175.5.1)
Component and cladding pressures (1609.1.1, 1609.6.2.2)	Flood loads (1803.1.6, 1612)
Main force wind pressures (7603.1.1, 1609.6.2.1)	Flood Hazard area (1612.3)
Earth design data (1603.1.5, 1614-1623)	Elevation of structure
Design option utilized (1614.1)	Other loads
Seismic use group ("Category")	
Spectral response coefficients, SDs & SD1 (1615.1)	Concentrated loads (1607.4)
Site class (1615.1.5)	Partition loads (1607.5) Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404



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Date:	1/3/17	
From:	Mark S. Bromeier	
These plans and / o	or specifications covering construction work on:	
Interior remodel inc	uding two new restooms.	

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the 2009 International Building Code and local amendments.



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